Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/04/2018 10:49 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124903	-1	2.33	124913	2.36
Blue	F	SSC	125000	124965	-1	3.89	125675	3.98
Blue	E	FITC	15492	15158	-3	3.83	351	21.36
Blue	D	PE	28736	28166	-2	3.24	622	15.96
Blue	B	PerCP-Cy5-5	41413	41035	-1	4.66	1122	22.42
Blue	A	PE-Cy7	31321	31639	1	7.12	580	47.14
Red	C	APC	41673	40969	-2	3.00	1582	13.25
Red	A	APC-Cy7	29962	29524	-2	2.90	739	13.94
Violet	B	V450	8318	7924	-5	4.62	439	14.38
Violet	A	V500	34199	33315	-3	4.38	801	11.11

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20414	4.07	604	-9	N/A	N/A	Pass
Blue	F	SSC	56459	3.55	573	5	N/A	N/A	Pass
Blue	E	FITC	58	72.23	555	-6	0.0168	153	Pass
Blue	D	PE	123	57.16	554	-6	0.1461	325	Pass
Blue	B	PerCP-Cy5-5	209	53.63	659	-8	0.0077	37	Pass
Blue	A	PE-Cy7	113	115.10	715	-7	0.0090	18	Pass
Red	C	APC	363	28.38	602	1	0.0197	140	Pass
Red	A	APC-Cy7	183	31.98	577	1	0.0048	1357	Pass
Violet	B	V450	65	69.19	474	-3	0.0467	2409	Pass
Violet	A	V500	114	36.71	492	-2	0.0202	826	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-33.06	-32.64	1.09
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	17.89	13.60 - 20.40	N/A	N/A	29.79	30.21	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10629

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments